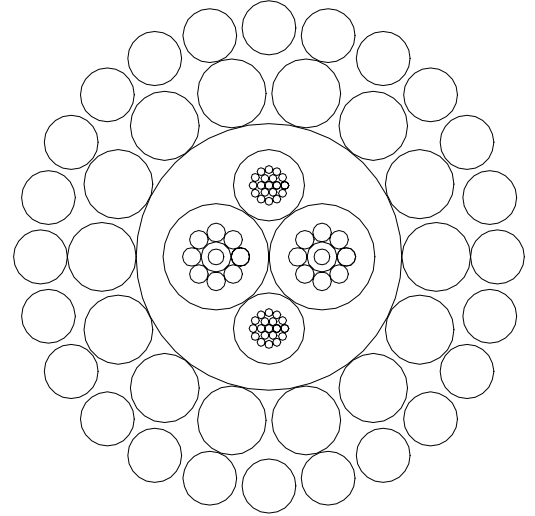


DATA LINE®

Description	Inch	mm
<u>ELEMENT A: Electro-Light® (2)</u>		
Fiber: 8.8/125/245 μm SM	0.010	0.25
Buffr: Hytrel®	0.024	0.61
Serve: #18 AWG (0.91 mm ²) HD Cu	0.054	1.37
Belt: PP	0.084	2.13
<u>ELEMENT B: Single (2)</u>		
Cdr: #24 AWG (0.24 mm ²) HD Cu	0.024	0.61
Ins: PP	0.056	1.42
<u>ASSEMBLY</u>		
Core: N/A		
Layer #1: 2 Element A's with 2 Element B's in interstices	0.168	4.27
<u>BELT</u>		
PE	0.205	5.21
<u>STRENGTH MEMBER</u>		
Layer #1: 14/0.052" GEIPS	0.309	7.85
Layer #2: 24/0.042" GEIPS	0.393	9.98



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PERFORMANCE CHARACTERISTICS

Nominal Values @ 20°C	Metric	English
<u>PHYSICAL</u>		
Weight in Air	389 kg/km	261 lb/kft
Weight in Seawater	322 kg/km	217 lb/kft
Specific Gravity	5.8	5.8
<u>MECHANICAL</u>		
Breaking Strength	71 kN	16,000 lbf
Working Load	15 kN	3,400 lbf
Recommended Bend Radius*	20 cm	8 in
<u>ELECTRICAL</u>		
Voltage Rating		
Element A	1,200 V	1,200 V
Element B	500 V	500 V
dc Resistance		
Element A	21.3 Ω/km	6.5 Ω/kft
Element B	82.0 Ω/km	25.0 Ω/kft
Insulation Resistance		
Element A	3,000 MΩ·km	10,000 MΩ·kft
Element B	3,000 MΩ·km	10,000 MΩ·kft
<u>OPTICAL</u>		
Attenuation Rate		
Element A		
@ 1310 nm	0.45 dB/km	--
@ 1550 nm	0.35 dB/km	--

* The relationship between sheave diameter and cable diameter is a critical factor used to establish a product's fatigue resistance or relative serviceability. Operation over smaller than recommended diameters may adversely affect service life.

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